

ABSTRACT

A droplet ejection apparatus is provided having a plurality of droplet ejection heads each ejecting liquid within a cavity through a nozzle in the form of droplets by driving an actuator with a driving circuit. The apparatus includes: ejection failure detecting means for detecting an ejection failure of the droplet ejection heads and a cause thereof; and recovery means for performing a recovery process depending on the cause of the ejection failure if the ejection failure detecting means detects the ejection failure when the droplets are ejected through the nozzles. Also, if a failing nozzle is detected, a recovery process is performed depending on the cause of the ejection failure at least for the failing nozzle. Thereafter, detection by the ejection failure detecting means is repeated by forcing the failing nozzle to perform a droplet ejection operation alone.